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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/074,274	02/12/2002	Martin Sturmann	Mo-6692/LeA 34,766	5018	
157 - 75	590 05/19/2003				
BAYER POLYMERS LLC			EXAMINER		
100 BAYER ROAD PITTSBURGH, PA 15205			ILDEBRANDO, CHRISTINA A		
			ART UNIT	PAPER NUMBER	
			1725		
			DATE MAILED: 05/19/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

					176
		Application No		Applicant(s)	
Office Action Summary		10/074,274		STURMANN ET AL.	
		Examiner		Art Unit	
		Christina Ildebra		1725	
Period fo	The MAILING DATE of this communication a r Reply	opears on the cove	r sheet with the c	orrespondence ad	dress
THE I - Exter after - If the - If NO - Failu - Any r	ORTENED STATUTORY PERIOD FOR REP MAILING DATE OF THIS COMMUNICATION asions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory perion to the torough within the set or extended period for reply will, by statuely received by the Office later than three months after the mailed patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, how ply within the statutory mid will apply and will expire tte, cause the application	rever, may a reply be tim nimum of thirty (30) days SIX (6) MONTHS from to become ABANDONE	nely filed s will be considered timely the mailing date of this of	y. ommunication.
1)⊠	Responsive to communication(s) filed on 12	February 2002 .			
2a) <u></u> □	This action is FINAL . 2b)⊠ 7	his action is non-f	inal.		
3)□ Dispositi	Since this application is in condition for allow closed in accordance with the practice unde on of Claims	vance except for	ormal matters, pr , 1935 C.D. 11, 4	osecution as to th 53 O.G. 213.	e merits is
4)⊠	Claim(s) 1-18 is/are pending in the application	on.			
	4a) Of the above claim(s) <u>15-17</u> is/are withdra	awn from consider	ation.		
5)	Claim(s) is/are allowed.				
6)⊠	Claim(s) <u>1-4,6-14 and 18</u> is/are rejected.				
7)🖂	Claim(s) <u>5</u> is/are objected to.				
8)□	Claim(s) are subject to restriction and/	or election require	ment.		
Applicati	on Papers				
9) 🗌 -	The specification is objected to by the Examin	er.			
10) 🔲 🗆	The drawing(s) filed on is/are: a)□ acc	epted or b) 🔲 objec	ted to by the Exar	niner.	
. —	Applicant may not request that any objection to t				
11)[_]	he proposed drawing correction filed on			ved by the Examine	er.
	If approved, corrected drawings are required in r	• •	tion.		
	he oath or declaration is objected to by the E	xaminer.			
	nder 35 U.S.C. §§ 119 and 120				
_	Acknowledgment is made of a claim for foreig	gn priority under 3	5 U.S.C. § 119(a))-(d) or (f).	
a)[☑ All b)☐ Some * c)☐ None of:				
	1. Certified copies of the priority documer				
	2. Certified copies of the priority documer		• •		
	 Copies of the certified copies of the pri- application from the International B ee the attached detailed Office action for a lis 	ureau (PCT Rule	17.2(a)).		Stage
14)∐ A	cknowledgment is made of a claim for domes	tic priority under 3	5 U.S.C. § 119(e) (to a provisional	application).
15) 🗌 A	☐ The translation of the foreign language packnowledgment is made of a claim for domes				
Attachment	•	_			
2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	4)		(PTO-413) Paper No(atent Application (PTO	
.S. Patent and Tr PTO-326 (Rev	•	Action Summary		Part of Paper No. 5	

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-14 and 18, drawn to a catalyst composition, classified in class 502, subclass 344.
 - II. Claims 15-17, drawn to an oxidation process, classified in class 549, subclass 533.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the product as claimed can be used in a materially different process of use, such as a catalyst for the conversion of nitrogen oxides.
 - 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and the search required for Group I is not required by Group II, and vice versa, restriction for examination purposes as indicated is proper.
 - 4. During a telephone conversation with Mr. John Mrozinski, Jr. on May 13, 2003 a provisional election was made with traverse to prosecute the invention of Group I,

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claims 1-14 and 18. Affirmation of this election must be made by applicant in replying to this Office action. Claims 15-17 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 7. Claims 1-4, 6-14, and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Baumann et al.

Baumann et al. (US 6,099,964) discloses organopolysiloxane particles which contain metal atoms in the zero valent oxidation state, the particles having an average diameter of 5-200 nm, wherein at least 80% of the particles have a diameter which deviates from the average by no more than 30% (column 2, lines 15-25). Suitable metals include noble metals including gold and silver (column 3, lines 35-40). The metal may be present in the form of clusters up to 1 nm in diameter (column 3, lines 45-55).

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It is taught that the metal is deposited on organopolysiloxane particles which carry hydrido functions, i.e. SiH groups (column 9, lines 25-30). It is considered that such a support would meet the inorganic-organic hybrid material required by claims 2 and 8. It is taught that the preferred concentrations of hydrido functional groups are between 1 and 50% by weight (column 9, lines 25-30). The metal is combined with the organopolysiloxane particle containing SiH groups by mixing for a reaction time of 1 second to 10 days, preferably 1 minute to 2 hours (column 10, lines 5-10). In an example, the metal containing composition is dried following the contacting step. The support contains SiO₂ (column 4, lines 15-35). With regards to claim 6, it is taught that the support may be dried at temperatures of 20-100 degrees C prior to metal deposition (column 9, lines 1-5). The composition may be used as a catalyst (column 2, lines 40-45).

The intended use limitations of claim 18 is noted. While intended use recitations cannot entirely be disregarded, in composition and article claims, the intended use must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention over the prior art. *In re Casey*, 370 USPQ 235 and *In re Otto*, 312 USPQ 458. It is the position of the examiner that the prior art structure is capable of performing the intended use and therefore meets the instant claims.

As each and every element of the claimed invention is taught in the prior art as recited above, the claims are anticipated by Baumann et al.

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Allowable Subject Matter

8. Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

9. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record does not teach or suggest a process for preparing a precious metal containing support wherein the drying is carried out by spray-drying or fluidized bed process, in combination with the other features instantly claimed.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christina Ildebrando whose telephone number is (703) 305-0469. The examiner can normally be reached on Monday-Friday, 7:30-5, with Alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on (703) 308-3318. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0651.

CAI May 14, 2003

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